

Report of Analysis

Client: Alliance Technical Group, LLC - Newark
Project: NJ Soil PT
Client Sample ID: PB170598BL
Lab Sample ID: PB170598BL
Analytical Method: 8270E Level: LOW
Sample Wt/Vol: 30.01 g Final Vol: 1000 uL
Prep Method : SW3541 Prep Date: 11/18/25

Date Collected:
Date Received:
SDG No.: Q3483
Matrix: SOIL
% Solid: 100
Test: SVOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
62-75-9	n-Nitrosodimethylamine	33.5	U	1	33.5	330	ug/Kg	11/18/25 12:53	PB170598
110-86-1	Pyridine	39.2	U	1	39.2	170	ug/Kg	11/18/25 12:53	PB170598
100-52-7	Benzaldehyde	160	U	1	160	330	ug/Kg	11/18/25 12:53	PB170598
62-53-3	Aniline	49.7	U	1	49.7	170	ug/Kg	11/18/25 12:53	PB170598
108-95-2	Phenol	22.1	U	1	22.1	170	ug/Kg	11/18/25 12:53	PB170598
111-44-4	bis(2-Chloroethyl)ether	24.3	U	1	24.3	170	ug/Kg	11/18/25 12:53	PB170598
95-57-8	2-Chlorophenol	24.4	U	1	24.4	170	ug/Kg	11/18/25 12:53	PB170598
95-50-1	1,2-Dichlorobenzene	19.4	U	1	19.4	170	ug/Kg	11/18/25 12:53	PB170598
541-73-1	1,3-Dichlorobenzene	17.7	U	1	17.7	170	ug/Kg	11/18/25 12:53	PB170598
106-46-7	1,4-Dichlorobenzene	18.3	U	1	18.3	170	ug/Kg	11/18/25 12:53	PB170598
100-51-6	Benzyl Alcohol	48.5	U	1	48.5	330	ug/Kg	11/18/25 12:53	PB170598
95-48-7	2-Methylphenol	29.9	U	1	29.9	170	ug/Kg	11/18/25 12:53	PB170598
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	1	37.5	170	ug/Kg	11/18/25 12:53	PB170598
98-86-2	Acetophenone	29.5	U	1	29.5	170	ug/Kg	11/18/25 12:53	PB170598
65794-96-9	3+4-Methylphenols	41.1	U	1	41.1	330	ug/Kg	11/18/25 12:53	PB170598
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	1	47.4	80.0	ug/Kg	11/18/25 12:53	PB170598
67-72-1	Hexachloroethane	17.6	U	1	17.6	170	ug/Kg	11/18/25 12:53	PB170598
98-95-3	Nitrobenzene	18.3	U	1	18.3	170	ug/Kg	11/18/25 12:53	PB170598
78-59-1	Isophorone	32.8	U	1	32.8	170	ug/Kg	11/18/25 12:53	PB170598
88-75-5	2-Nitrophenol	58.2	U	1	58.2	170	ug/Kg	11/18/25 12:53	PB170598
105-67-9	2,4-Dimethylphenol	64.8	U	1	64.8	170	ug/Kg	11/18/25 12:53	PB170598
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	1	30.8	170	ug/Kg	11/18/25 12:53	PB170598
120-83-2	2,4-Dichlorophenol	28.3	U	1	28.3	170	ug/Kg	11/18/25 12:53	PB170598
120-82-1	1,2,4-Trichlorobenzene	22.6	U	1	22.6	170	ug/Kg	11/18/25 12:53	PB170598
65-85-0	Benzoic acid	190	U	1	190	330	ug/Kg	11/18/25 12:53	PB170598
91-20-3	Naphthalene	22.7	U	1	22.7	170	ug/Kg	11/18/25 12:53	PB170598
106-47-8	4-Chloroaniline	35.4	U	1	35.4	170	ug/Kg	11/18/25 12:53	PB170598
87-68-3	Hexachlorobutadiene	25.3	U	1	25.3	170	ug/Kg	11/18/25 12:53	PB170598
105-60-2	Caprolactam	52.1	U	1	52.1	330	ug/Kg	11/18/25 12:53	PB170598
59-50-7	4-Chloro-3-methylphenol	28.7	U	1	28.7	170	ug/Kg	11/18/25 12:53	PB170598
91-57-6	2-Methylnaphthalene	25.6	U	1	25.6	170	ug/Kg	11/18/25 12:53	PB170598
77-47-4	Hexachlorocyclopentadiene	120	U	1	120	330	ug/Kg	11/18/25 12:53	PB170598
88-06-2	2,4,6-Trichlorophenol	19.8	U	1	19.8	170	ug/Kg	11/18/25 12:53	PB170598
95-95-4	2,4,5-Trichlorophenol	29.1	U	1	29.1	170	ug/Kg	11/18/25 12:53	PB170598
92-52-4	1,1-Biphenyl	21.8	U	1	21.8	170	ug/Kg	11/18/25 12:53	PB170598
91-58-7	2-Chloronaphthalene	22.5	U	1	22.5	170	ug/Kg	11/18/25 12:53	PB170598
88-74-4	2-Nitroaniline	48.1	U	1	48.1	170	ug/Kg	11/18/25 12:53	PB170598
131-11-3	Dimethylphthalate	27.1	U	1	27.1	170	ug/Kg	11/18/25 12:53	PB170598
208-96-8	Acenaphthylene	28.9	U	1	28.9	170	ug/Kg	11/18/25 12:53	PB170598
606-20-2	2,6-Dinitrotoluene	33.6	U	1	33.6	170	ug/Kg	11/18/25 12:53	PB170598
99-09-2	3-Nitroaniline	46.0	U	1	46.0	170	ug/Kg	11/18/25 12:53	PB170598
83-32-9	Acenaphthene	21.3	U	1	21.3	170	ug/Kg	11/18/25 12:53	PB170598

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51-28-5	2,4-Dinitrophenol	230	U	1	230	330	ug/Kg	11/18/25 12:53	PB170598
100-02-7	4-Nitrophenol	110	U	1	110	330	ug/Kg	11/18/25 12:53	PB170598
132-64-9	Dibenzofuran	22.7	U	1	22.7	170	ug/Kg	11/18/25 12:53	PB170598
121-14-2	2,4-Dinitrotoluene	50.1	U	1	50.1	170	ug/Kg	11/18/25 12:53	PB170598
84-66-2	Diethylphthalate	28.3	U	1	28.3	170	ug/Kg	11/18/25 12:53	PB170598
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	1	26.7	170	ug/Kg	11/18/25 12:53	PB170598
86-73-7	Fluorene	25.3	U	1	25.3	170	ug/Kg	11/18/25 12:53	PB170598
100-01-6	4-Nitroaniline	64.2	U	1	64.2	170	ug/Kg	11/18/25 12:53	PB170598
534-52-1	4,6-Dinitro-2-methylphenol	100	U	1	100	330	ug/Kg	11/18/25 12:53	PB170598
86-30-6	n-Nitrosodiphenylamine	32.9	U	1	32.9	170	ug/Kg	11/18/25 12:53	PB170598
103-33-3	Azobenzene	29.2	U	1	29.2	170	ug/Kg	11/18/25 12:53	PB170598
101-55-3	4-Bromophenyl-phenylether	27.8	U	1	27.8	170	ug/Kg	11/18/25 12:53	PB170598
118-74-1	Hexachlorobenzene	25.3	U	1	25.3	170	ug/Kg	11/18/25 12:53	PB170598
1912-24-9	Atrazine	34.0	U	1	34.0	170	ug/Kg	11/18/25 12:53	PB170598
87-86-5	Pentachlorophenol	51.3	U	1	51.3	330	ug/Kg	11/18/25 12:53	PB170598
85-01-8	Phenanthrene	20.9	U	1	20.9	170	ug/Kg	11/18/25 12:53	PB170598
120-12-7	Anthracene	33.3	U	1	33.3	170	ug/Kg	11/18/25 12:53	PB170598
86-74-8	Carbazole	31.2	U	1	31.2	170	ug/Kg	11/18/25 12:53	PB170598
84-74-2	Di-n-butylphthalate	47.9	U	1	47.9	170	ug/Kg	11/18/25 12:53	PB170598
206-44-0	Fluoranthene	30.0	U	1	30.0	170	ug/Kg	11/18/25 12:53	PB170598
92-87-5	Benzidine	150	U	1	150	330	ug/Kg	11/18/25 12:53	PB170598
129-00-0	Pyrene	36.0	U	1	36.0	170	ug/Kg	11/18/25 12:53	PB170598
85-68-7	Butylbenzylphthalate	71.4	U	1	71.4	170	ug/Kg	11/18/25 12:53	PB170598
91-94-1	3,3-Dichlorobenzidine	36.7	U	1	36.7	330	ug/Kg	11/18/25 12:53	PB170598
56-55-3	Benzo(a)anthracene	23.0	U	1	23.0	170	ug/Kg	11/18/25 12:53	PB170598
218-01-9	Chrysene	19.9	U	1	19.9	170	ug/Kg	11/18/25 12:53	PB170598
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	1	59.2	170	ug/Kg	11/18/25 12:53	PB170598
117-84-0	Di-n-octyl phthalate	86.8	U	1	86.8	330	ug/Kg	11/18/25 12:53	PB170598
205-99-2	Benzo(b)fluoranthene	19.0	U	1	19.0	170	ug/Kg	11/18/25 12:53	PB170598
207-08-9	Benzo(k)fluoranthene	22.4	U	1	22.4	170	ug/Kg	11/18/25 12:53	PB170598
50-32-8	Benzo(a)pyrene	29.5	U	1	29.5	170	ug/Kg	11/18/25 12:53	PB170598
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	1	29.1	170	ug/Kg	11/18/25 12:53	PB170598
53-70-3	Dibenzo(a,h)anthracene	27.4	U	1	27.4	170	ug/Kg	11/18/25 12:53	PB170598
191-24-2	Benzo(g,h,i)perylene	25.7	U	1	25.7	170	ug/Kg	11/18/25 12:53	PB170598
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	1	25.6	170	ug/Kg	11/18/25 12:53	PB170598
123-91-1	1,4-Dioxane	45.2	U	1	45.2	170	ug/Kg	11/18/25 12:53	PB170598
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	1	27.4	170	ug/Kg	11/18/25 12:53	PB170598
90-12-0	1-Methylnaphthalene	25.8	U	1	25.8	170	ug/Kg	11/18/25 12:53	PB170598

SURROGATES

367-12-4	2-Fluorophenol	136		10 - 105	91%	SPK: 150
13127-88-3	Phenol-d6	136		10 - 103	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.1		10 - 108	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.3		10 - 108	85%	SPK: 100

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118-79-6	2,4,6-Tribromophenol	129			10 - 116	86%	SPK: 150		
1718-51-0	Terphenyl-d14	89.0			10 - 109	89%	SPK: 100		
INTERNAL STANDARDS		Area Count							
3855-82-1	1,4-Dichlorobenzene-d4	39800							
1146-65-2	Naphthalene-d8	147000							
15067-26-2	Acenaphthene-d10	118000							
1517-22-2	Phenanthrene-d10	300000							
1719-03-5	Chrysene-d12	430000							
1520-96-3	Perylene-d12	424000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products